

47000-100

3/18/2012

MAR 18 2012

1/9

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001



MAR 18 2012

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Steven E. Rogosheske
Chem-Tech, Ltd.
4515 Fleur Drive, #303
Des Moines, IL 50321

Subject: Amended Reregistration Label
Product Name: CT Residual Spray
EPA Registration Number: 47000-100
EPA Decision Number(s): 413566

Dear Mr. Rogosheske:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Permethrin RED(s), and has concluded that your submission is acceptable.

NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated [October 5, 2010]

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Dani Daniel at (703)305-5409 or via e-mail at daniel.dani@epa.gov

Sincerely,



Richard J. Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7504P)

*Enclosures: Label stamped "Accepted," dated
Acute Toxicity Review, dated (September 2, 2010)
Product Chemistry Review, dated (May 29, 2012))*



RESIDUAL SPRAY

[Master Label - Residential]

Editors Note: Text in [Brackets] are optional marketing statements, any or all of which may be used on final label.

- [CONTROLS RESIDENTIAL, INDUSTRIAL AND GARDEN INSECTS.]
- [FOR USE ON DOGS AND ON PREMISES TO CONTROL FLEAS AND TICKS.]
- [CONTROLS FLEAS AND TICKS ON DOGS FOR 14 DAYS.]
- [A WATER BASED AEROSOL.]
- [CONTROLS PESTS FOR UP TO FOUR WEEKS.]
- [KILLS HOUSE DUST MITES IN CARPETS, CURTAINS AND ON UPHOLSTERY.]
- [FOR USE ON BEDDING, FURNITURE AND OTHER INANIMATE OBJECTS INFESTED WITH LICE.]
- [TICKS MAY CARRY LYME DISEASE AND ROCKY MOUNTAIN SPOTTED FEVER.]
- [PREMISE SPRAY (multiple pests, as listed throughout label).]
- [MOSQUITO PROTECTION.]
- [NOT FOR USE ON HUMANS]

ACCEPTED
 MAR 1 8 11 AM
 Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended, for the
 pesticide registered under:

DO NOT USE ON CATS

ACTIVE INGREDIENT:

Permethrin*.....0.50%

OTHER INGREDIENTS:**.....99.50%

TOTAL.....100.00%

EPA Reg. No: 47000-100

*(3-phenoxyphenyl)methyl (+/-) cis/trans 3-(2,2-dichloroethyl)-2,2-dimethylcyclopropanecarboxylate (Cis/Trans ratio: Min. 35% (+/-) cis and max. 65% (+/-) trans.)

**Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

- If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.
- If Swallowed: Call a poison control center or doctor immediately for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advise.
- If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

For emergency information contact: National Pesticide Information Center at 1-800-858-7378 between 6:30 am and 4:30 Pacific Time. After 4:30 call your poison control center. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Harmful if swallowed, absorbed through the skin, or inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before smoking or eating. Remove contaminated clothing and wash before reuse. Avoid contamination of feed and foodstuffs.

Hazards to Domestic Animals

Do not spray directly in/on eyes, mouth or genitalia of pets. Do not use on dogs under twelve (12) weeks old. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using any pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

Do not use on cats. May be toxic or potentially fatal if applied to or ingested by cats. Accidental application to cats and/or grooming a recently treated dog may result in tremors and/or uncoordinated muscle movements. If this occurs, immediate veterinary care should be provided.



Environmental Hazards

This product is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Physical or Chemical Hazards

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL BEFORE EACH USE
FOR PET USE: USE ONLY ON DOGS - **DO NOT USE ON CATS**

USE RESTRICTIONS

Do not breathe dust, vapors or spray mist.
Do not apply when food is present.

Do not water the treated area to the point of run off.

Do not make applications during rain.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

For use on plants intended only for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns and grounds.

Do not use in food areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed or facility is in operation. Serving areas are areas where prepared foods are served such as dining rooms but excluding areas where foods may be prepared or held.

Nonfood areas are areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed.

Remove pets and birds and cover fish aquarium before space spraying or surface applications. **This product is not for use on humans.** If lice infestations should occur on humans, use a product labeled for use on humans. Vacate room after treatment and ventilate before reoccupying. Do not allow children or pets to contact treated areas until surfaces are dry. Allow all sprayed articles to dry thoroughly before use

When applying as a space spray, remove people and pets from the area before spraying. Except when applying to pets or livestock, do not enter or allow others to enter until sprays have dried.

SHAKE WELL BEFORE USING

Remove protective cap, hold container upright and spray from a distance of 12 to 15 inches.

HOUSEFLIES, FRUIT FLIES, MOSQUITOES, GNATS, WASPS, HORNETS, BEES, BLACK FLIES, SKIPPER FLIES, BLOW FLIES AND SMALL FLYING MOTHS: Close all doors and windows and spray room at the rate of 2 to 3 seconds per 1000 cubic feet. Direct spray to all parts of the room, especially windows and other light sources which attract these insects. Keep nozzle in constant motion. Repeat treatment as infestations occur.

COCKROACHES, WATERBUGS, PALMETTO BUGS, SILVERFISH, FIREBRATS, CRICKETS, SCORPIONS, SPIDERS, MILLIPEDES, CENTIPEDES, SOWBUGS AND PILLBUGS: Spray into hiding places such as cracks and crevices, behind sinks, cabinets, along baseboards and floors, around drains and plumbing, hitting insects with spray when ever possible. Repeat treatment every two weeks, if necessary.

ANTS: Spray trails, nests and points of entry. Spray on ants where possible. Repeat every two weeks, if necessary.

INDIAN MEAL MOTHS, ANGOUMOIS GRAIN MOTHS: Close doors and windows, direct spray into all parts of room especially around stored food product containers, pallets and darkened areas. Spray 7 to 10 seconds for each 1000 cubic feet of space. Keep area closed for 15 minutes following treatment. Repeat application every two weeks, if necessary.

EXPOSED STAGES OF CONFUSED FLOUR BEETLES, SAW-TOOTHED GRAIN BEETLES, RED FLOUR BEETLES, RICE WEEVILS, GRANARY WEEVILS, GRAIN MITES: Spray into cracks and crevices, around cartons or containers or other areas where these insects tend to congregate. Spray 30 seconds for each 100 square feet of surface. Keep area closed for 45 minutes to 1 hour after treatment. Repeat application every two weeks, if necessary. Infested stored food products in the home should be disposed of.

CARPET BEETLES: Spray directly on beetles, floors, baseboards, shelves and carpets. Repeat treatment every two weeks, if necessary.

BEDBUGS: Spray mattresses, particularly around tufts and seams. Take beds apart and spray into all joints. Treat baseboards, moldings and floors. After mattress is dry cover with mattress cover and sheet. Do not use mattress without cover. Repeat treatment every two weeks, if necessary.

TO CONTROL CLOTHES MOTHS AND CARPET BEETLES ON WOOL AND OTHER PROTEINACEOUS FIBERS: Remove infested articles from storage, brush thoroughly, and air for several hours in sunlight, if possible. Apply spray liberally to empty chests, closets, bureaus and other storages directing the spray into cracks, joints and crevices. After airing, infested articles may be treated by spraying lightly, keeping nozzle at least three feet from fabric to avoid staining.

TO CONTROL HOUSE DUST MITES that may cause asthma, hay fever, rhinitis, watery eyes and sneezing. One treatment lasts up to 8 weeks. On Upholstered Furniture- test fabric in an inconspicuous area to insure dyes will not bleed. Hold container upright with nozzle away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray all fabric surfaces until damp. Spray to the point of dampness but not run off. Do not use on delicate fabrics. Allow furniture to dry thoroughly before using. On Carpets- Spray over entire carpet until damp. Spray to the point of dampness but not run off. Hold the nozzle approximately 12 to 18 inches from the carpet surface and spray in a sweeping motion. Use an overlapping pattern to insure total coverage. After application, brush the surface of the carpet with a broom or brush to insure deep penetration. Allow carpet to dry thoroughly before reentering the treated area. Drying time can be accelerated by using a fan. On Mattresses- Spray the top, bottom and sides of mattress until damp, paying particular attention to tufts and seams. Allow to dry thoroughly before using. After mattress is dry cover with mattress cover and sheet. Do not use mattress without cover. Vacuum entire area once dry. Since vacuuming stirs dust up in the air those with allergies should have another person vacuum or should wear a dust mask and use vacuum with a high efficiency particulate (HEPA) filter.

FLEAS AND TICKS (ADULTS AND LARVAE) PET PREMISES AND AREA TREATMENT: Remove and thoroughly clean or destroy pet bedding. Spray pet sleeping quarters, bed, entire floor and floor covering, with special attention to cracks and crevices around baseboards, and window and door frames. Infested upholstered furniture may also be treated with this product. A test application should be made to upholstery or drapery fabrics in an inconspicuous place before use.

TO KILL LICE AND LOUSE EGGS ON GARMENTS, BEDDING AND FURNITURE: Do not apply directly to humans. Spray in an inconspicuous area to test for possible staining or discoloration. Inspect again after drying, then proceed to spray entire area to be treated. Hold container upright with nozzle away from you. Depress valve and spray from a distance of 8 to 10 inches. Spray each square foot for three seconds. Spray only those garments and parts of bedding, including mattresses and furniture that cannot be either laundered or dry-cleaned. Allow all sprayed articles to dry thoroughly before use. After mattress is dry cover with mattress cover and sheet. Do not use mattress without cover.

TO CONTROL FLEAS, TICKS AND LICE ON DOGS: Starting at the tail, stroke against the lay of the hair, spraying the parted fur in short bursts, directly behind the hand to insure penetrating the coat. Dampen the fur up to the head. Repeat application every two weeks, if necessary.

FOR THE CONTROL OF ORNAMENTAL GARDEN INSECTS: For use on roses, dahlias, asters and other ornamentals to kill Japanese Beetles hit by spray, as well as Whiteflies, Aphids, exposed Thrips, Spiders, Red Mites and Leafminers.

May be used on ornamental plants, as well as a multi-purpose spray in small ornamental gardens and for spot treatments of incipient insects infestations to prevent spreading in large garden areas.

6/9

May also be used on other plants such as African violets, asters, azaleas, begonias, camellias, carnations, chrysanthemums, dahlias, delphiniums, dogwood, English ivy, euonymus, fuschia, geraniums, crassula, grape vine, kentia palm, laurel, marigolds, rhododendron, roses, rubber plants, snapdragons, stocks, wandering jews zinnias.

Effective when used as directed again Whiteflies, Aphids, Spider and Red Mites, exposed Thrips, Lace Bugs, Japanese Beetles, Pavement Ants, Clover Mites and Army Worms. When spraying plants, do not operate closer than 18 inches. Use sweeping motion. Spray in one second bursts. Be cautious about wetting tender foliage, young plants and new growth. Do not spray plants when temperatures exceed 90 F. Contact insects directly when ever possible. Repeat treatment as infestations occur.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place away from children, preferably a secure storage area.

CONTAINER DISPOSAL: Do not puncture or incinerate! **If empty:** Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions.

NOTICE

It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Chem-Tech, Ltd, the manufacturer or seller. To the extent consistent with applicable law, Chem-Tech, Ltd, the manufacturer or seller shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. Except as warranted by this label, Chem-Tech, Ltd, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Chem-Tech, Ltd's, the manufacturer's or seller's total liability shall be limited to damages not exceeding the cost of the product.

EPA REG. NO. 47000-100

EPA EST. NO. 47000-IA-1

NET CONTENTS _____

Manufactured By:
Chem-Tech, Ltd.
4515 Fleur Drive
Des Moines, IA 50321



RESIDUAL SPRAY

[Master Label - Occupational]

Editors Note: Text in [Brackets] are optional marketing statements, any or all of which may be used on final label.

- [A WATER BASED AEROSOL.]
- [KILLS SCREW WORMS ON BEEF CATTLE, HORSES AND SHEEP.]
- [KILLS HOUSE DUST MITES IN CARPETS, CURTAINS AND ON UPHOLSTERY.]
- [WOUND SPRAY: Kills flies and maggots.]
- [CONTROLS TICKS (including ear ticks on livestock).]
- [PREMISE SPRAY (multiple pests, as listed throughout label).]
- [MOSQUITO PROTECTION.]

ACTIVE INGREDIENT:

Permethrin* 0.50%

OTHER INGREDIENTS**..... 99.50%

TOTAL 100.00%

*(3-phenoxyphenyl)methyl (+/-) cis/trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate (Cis/Trans ratio: Min. 35% (+/-) cis and max. 65% (+/-) trans.)

**Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

- If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.
- If Swallowed: Call a poison control center or doctor immediately for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advise.
- If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

For emergency information contact: National Pesticide Information Center at 1-800-858-7378 between 6:30 am and 4:30 Pacific Time. After 4:30 call your poison control center. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

PRECAUTIONARY STATEMENTS

Hazards To Humans & Domestic Animals

CAUTION

Harmful if swallowed, absorbed through the skin, or inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before smoking or eating. Remove contaminated clothing and wash before reuse. Avoid contamination of feed and foodstuffs.

Environmental Hazards

This product is extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Physical or Chemical Hazards

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL BEFORE EACH USE

USE RESTRICTIONS

Do not breathe dust, vapors or spray mist.

Do not apply when food is present.

When used in dairy barns and faculties: Close milk bulk tank lids to prevent contamination from spray and from dead or fallen insects. Remove or cover milking utensils before application. Wash teats of animals before milking.

When applying as a space spray, remove people and pets from the area before spraying. Except when applying to pets or livestock, do not enter or allow others to enter until sprays have dried.

SHAKE WELL BEFORE USING

Remove protective cap, hold container upright and spray from a distance of 12 to 15 inches.

IN ANIMAL QUARTERS AND MILK ROOMS: For rapid control of House Flies, Mosquitoes, Gnats, Wasps, Hornets, Bees and Small-Flying Moths. Remove animals prior to treatment, close windows and doors and spray at the rate of 2 seconds per 1000 cubic feet of space. For best results, keep area closed for 10 minutes after spraying. Do not remain in treated area and ventilate after treatment is completed.

TO TREAT LIVESTOCK: To protect beef cattle, dairy cattle, goats, sheep, hogs and horses from attacks of Stable Flies, Horse Flies, Deer Flies, Face Flies, House Flies, Horn Flies, Mosquitoes, Ticks and Gnats: Spray about 3 seconds on each side being careful to spray back, withers and forelegs thoroughly. To protect from Face Flies, spray the face and head, but do not spray into eyes. Repeat treatment when flies are troublesome. For ear ticks spray directly into ear.

WOUND SPRAY and to kill SCREW WORMS, flies and maggots infesting beef cattle, horses and sheep, hold can about 4 to 8 inches from the area to be treated with nozzle pointed at wound. Spray the area until it is completely wet (3 to 10 seconds are usually enough). The area surrounding the wound should also be sprayed. This product is not recommended for use in deep wounds.

Note on Resistance: Some strains of screw worm may develop resistance to pyrethroids. This will be observed by lack of response to treatment. Where pyrethroid resistance is known or suspected, this product should not be used.

FOR SWINE: Do not ship animals for slaughter within 5 days of last treatment.

TO CONTROL BLOOD SUCKING LICE: Apply to the infested areas of the animal, using a stiff brush to get the spray to the base of the hair. Repeat every 3 weeks if required.

TO CONTROL POULTRY LICE, spray roosts, walls and nests or the cages thoroughly. This should be followed by spraying over the birds with a fine mist.

FOR CONTROL OF BEDBUGS AND MITES IN POULTRY HOUSES, spray crevices of roost poles, cracks in walls, and cracks in nests where the bedbugs and mites hide.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place away from children, preferably a secure storage area.

CONTAINER DISPOSAL: Do not puncture or incinerate! **If empty:** Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions.

NOTICE

It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Chem-Tech, Ltd, the manufacturer or seller. To the extent consistent with applicable law, Chem-Tech, Ltd, the manufacturer or seller shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. Except as warranted by this label, Chem-Tech, Ltd, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Chem-Tech, Ltd's, the manufacturer's or seller's total liability shall be limited to damages not exceeding the cost of the product.

EPA REG. NO. 47000-100

EPA EST. NO. 47000-IA-1

NET CONTENTS _____

Manufactured By:
Chem-Tech, Ltd.
4515 Fleur Drive
Des Moines, IA 50321

12/20/12 Draft per EPA letter 11/30/12